



## PUMP PIPING DETAIL

SCALE: NONE

### NOTES FOR DESIGNER: (DO NOT INCLUDE ON CONSTRUCTION DRAWINGS)

1. SEE SHEETS 7 AND 8.
2. STANDARD RIGHT HAND ROTATION (CCW) PUMP SHOWN.

MINIMUM 5 STRAIGHT PIPE DIAMETERS OR INSTALL SUCTION DIFFUSER

LONG RADIUS ELBOW

ADJUSTABLE PIPE SUPPORT (TYP)

CONCENTRIC REDUCER

## HORIZONTAL SUCTION PIPING

SCALE: NONE

DRAWING DEVELOPED FOR ML-3/ ML-4 PROJECTS. FOR ML-1/ ML-2, ADDITIONAL REQUIREMENTS AND QA REVIEWS ARE REQUIRED. (REMOVE THIS NOTE WHEN INSERTED INTO A DRAWING PACKAGE).

2	8-14-03	U	EDITORIAL CHANGES & DWG NO. WAS ST6120.	RP	RF	GG	TO
1	9-6-02	U	GENERAL REVISION.	RP	BB	GG	TO
NO	DATE	CLASS	DESCRIPTION	DWN	DSN	CHKD	SUB APP

**FACILITY & WASTE OPERATIONS  
DESIGN ENGINEERING CONSTRUCTION SERVICES**

<b>ENGINEERING STANDARDS MANUAL</b>		DRAWN	R. PEARSON
		DESIGN	B. BURTSCHIEL
		CHECKED	G. GREWAL
PUMP PIPING DETAIL HORIZONTAL SPLIT CASE, DOUBLE SUCTION		DATE	6-28-99
BLDG X	TA-X		
SUBMITTED	APPROVED FOR RELEASE		
DISCIPLINE POC: GURINDER GREWAL	STANDARDS MANAGER: TOBIN ORUCH		
SHEET		3	
Los Alamos NATIONAL LABORATORY		3 OF 8	
CLASSIFICATION U	REVIEWER LARRY BAYS	DATE	
PROJECT ID	DRAWING NO	REV	
CHAPTER 6	ST-D30GEN-4	2	